



# THE NAVAJO NATION

KELSEY A. BEGAYE  
PRESIDENT

SDMS DOCID # 1148159

TAYLOR McKENZIE, M.D.  
VICE PRESIDENT

May 15, 2000

Tommy Lansing, Managing Partner  
LC/TWC Joint Venture  
P.O. Box 260  
Montezuma Creek, UT 84534

RE: Notice To Proceed - Cameron 5 AML Reclamation Project

Dear Mr. Lansing:

The Navajo AML Reclamation Program is hereby issuing you this Notice of Proceed for the Cameron 5 AML Reclamation Project pursuant to your contract (Contract No. C 20200, dated May 12, 2000) with the Navajo Nation.

Ensure your equipment are of appropriate capacity to complete the work within the Contract Time. Per the discussions at the Pre-Construction Meeting held on May 10, 2000, submit all required documents as highlighted in the Contract, General Condition, Section 9, "Notice to Proceed".

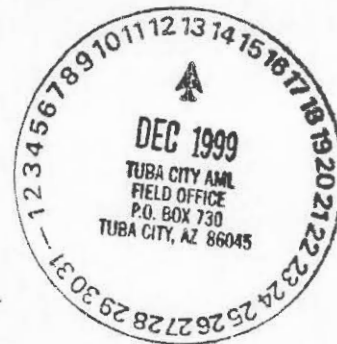
We wish you success in carrying out this contract. Mr. Ray Tsingine, Manager of the Tuba City AML Reclamation Program Office (520- 368-1228) will be your contact person. If you have any further questions, do not hesitate to call our office.

Sincerely,

Madeline Roanhorse, Director  
Navajo AML Reclamation/UMTRA Department

DATE 05-23-2000  
TO TDG, TL + TC files  
FROM RT + rch

CULTURAL RESOURCES COMPLIANCE FORM  
HISTORIC PRESERVATION DEPARTMENT  
P O BOX 4950  
WINDOW ROCK, ARIZONA 86515



ROUTING: COPIES TO

AZ SHPO  
XX REAL PROPERTY MGT/330  
XX NNAD

NNHPD NO. HPD-99-790

OTHER PROJECT NO.

AML

NNAD-99-50

PROJECT TITLE: **An Archaeological Survey of the Cameron 5 AML Reclamation Project near Cameron, Arizona**

LEAD AGENCY: Office of Surface Mining/Navajo Abandoned Mine Lands Reclamation

SPONSOR: **Navajo Abandoned Mine Lands Reclamation Department, P O Box 730, Tuba City, Arizona 86045**

PROJECT DESCRIPTION: The proposed undertaking will involve reclamation of 17 abandoned mine areas. These areas include open pits, associated waste rock, and small piles of protore within the surveyed areas. Ground disturbance will be within areas of intensive and extensive impacts. Also, an area above a stock tank is proposed for dredging.

LAND STATUS: Tribal Trust

CHAPTERS: **Cameron, Coal Mine Mesa, Bodaway & Coppermine**

LOCATION: Unplatted & projected T39N, R7E,  
T32N, R9E,  
T30N, R9E,  
T29N, R9E, Section 22 SW/4,  
T28N, R9E, Section 1 NE/4,  
T28N, R9E, Section 4 NW/4,  
Unplatted & projected T27N, R10E, Section 15 SE & 14 SW,  
Unplatted & projected T27N, R10E, Section 35 W/2 & 34 E/2,  
T28N, R10E, Section 5 N/2,  
Unplatted & projected T29N, R10E,  
T29N, R9E,  
(Stock tank) T26N, R10E, Section 13 NW/4; Coconino County, Arizona G&SRPM&B

PROJECT ARCHAEOLOGIST: **Kerry F. Thompson**

NAVAJO ANTIQUITIES PERMIT NO.: Navajo Nation Code (19 NNC 1001 §302 *et seq.*)

DATE INSPECTED: **4/14, 22 & 26 and 5/10 & 5/14/99**

DATE OF REPORT: revised 11/99

TOTAL ACREAGE INSPECTED: **227**

METHOD OF INVESTIGATION: Class III pedestrian inventory with transects spaced 15 m apart.

LIST OF CULTURAL RESOURCES FOUND: (17) Mine sites, (1) Site, (1) Traditional Cultural Property (TCP) & (2) In-use Sites (IUSA-B)

LIST OF ELIGIBLE PROPERTIES: (1) AZ-N-12-16 (prehistoric component) & (1) TCP

LIST OF NON-ELIGIBLE PROPERTIES: (17) Mine sites, (1) AZ-N-12-16 (historic component) & (2) IUSA-IUSB

LIST OF ARCHAEOLOGICAL RESOURCES: (1) AZ-N-12-16 (prehistoric component)

EFFECT/CONDITIONS OF COMPLIANCE: **No historic properties** affected if the following conditions are met.

Site **AZ-N-12-16**, to be avoided:

- 1) Prior to reclamation, this site will be flagged, and reclamation foreman will be shown the location of this site by a qualified archaeologist.
- 2) All disturbance within 50 feet of the site boundary will be monitored by a qualified archaeologist.
- 3) A brief (letter) report documenting the result of monitoring will be submitted to NNHPD, Compliance Section, within 30 days of monitoring.

**TCP** is the Little Colorado River. Reclamation is for safety measures, and among others, should lessen the incidence of radioactive

materials reaching the LCR.

In the event of a discovery ["discovery" means any previously unidentified or incorrectly identified cultural resources including but not limited to archaeological deposits, human remains, or locations reportedly associated with Native American religious/traditional beliefs or practices], all operations in the immediate vicinity of the discovery must cease, and the Navajo Nation Historic Preservation Department must be notified at (520) 871-7132.

FORM PREPARED BY: James Dryer

FINALIZED: December 1, 1999

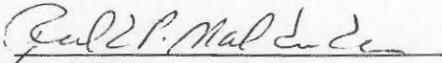
Notification to  
Proceed Recommended:  
Conditions:

Yes XX

No    

Yes XX

No    

  
Alan S. Downer

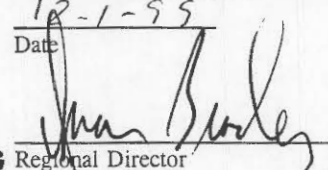
Navajo Nation Historic Preservation Officer

12-1-99  
Date

Navajo Region Approval:

Yes X

No    

  
**ACTING** Regional Director

12-7-99  
Date



# THE NAVAJO NATION

ALBERT A. HALE  
PRESIDENT

THOMAS E. ATCITY  
VICE PRESIDENT

21 November 1997

## MEMORANDUM

To: Debra Yazzie, Biologist  
Navajo Natural Heritage Program  
Fish & Wildlife Department  
P. O. Box 1480  
Window Rock, AZ 86515

From: *[Signature]*  
Ernest Greyeyes, Engineering Technician III  
Navajo AML Reclamation Department  
Tuba City AML Program

Subject: Supplemental Information Request  
Re: Cameron AML Reclamation Project 5

According to your memo and from the meeting please find attached the information requested to supplement the request package. On the maps attached the orange shows the site and the blue represents the access road to the site.

### Cameron AML Project 5

<u>Mines</u>	<u>7.5 Quad name</u>	<u>Location</u>	<u>County</u>	<u>Chapter</u>	<u>Acre</u>
NA-0101	Lees Ferry	SW/4, Sect01 T39N, R07E	Coconino	Bodaway Gap	10
NA-0102	Willow Springs Shadow Mtn.	NW/4, Sect26 T32N, R09E	Coconino	Bodaway Gap	14
NA-0103	Willow Springs Shadow Mtn.	SW/4, Sect22 T32N, R09E	Coconino	Bodaway Gap	41
NA-0104	Cameron North	NE/4, Sect22 T30N, R09E	Coconino	Bodaway Gap	19
NA-0106	Cameron South	SW/4, Sect22	Coconino	Bodaway	18

DATE 11-21-97  
TO Debra Yazzie + PHE  
LCB/EL

		T29N,R09E		Gap	
NA-0107	Cameron South	NE/4,Sect01 T28N,R09E	Coconino	Bodaway Gap	5.5
NA-0108	Cameron South	NW/4,Sect04 T28N,R09E	Coconino	Bodaway Gap	18
NA-0109	Wupatki NE	SE/4,Sect15 T27N,R10E	Coconino	Bodaway Gap	21
NA-0110	Wupatki NE	SW/4,Sect35 T27N,R10E	Coconino	Bodaway Gap	10

The following are site specific features.

<u>Site</u>	<u>Feature / size</u>	<u>waste</u>	<u>Haulroad</u>	<u>Work</u>
NA-0101				
site 5	1 portal, 8'x8'x30' deep	None	0.3 mile	bulkhead
site 6	1 portal 5'x6'x unknown depth	none	0.3 mile	bulkhead
NA-0102				
site 24	1 openpit 42'x12'x7' deep	1000 yd <sup>3</sup>	n/a	backfill open pit
site 25	1 vertical 18' diameter x 14' deep	none	n/a	seal w/ cement
site 26	1 vertical 20'x18' opening x 14' deep	none	n/a	seal
site 27	1 vertical 18'diameter x11' deep	none	n/a	seal
site 28	1 rimstrip 50'x15'x7' deep	224 yd <sup>3</sup>	n/a	backfill
site 29	1 openpit 25'x15'x6' deep	100 yd <sup>3</sup>	n/a	backfill
site 30	1 openpit 40'x15'x9' deep	275 yd <sup>3</sup>	n/a	backfill
NA-0103				
site 1	1 rimstrip 30'x30'x5' deep	2,055 yd <sup>3</sup>	n/a	backfill
site 2a	1 openpit 36'x70'x6' deep	1,685 yd <sup>3</sup>	n/a	backfill
site 2b	1 openpit 80'x88'x7' deep	5,230 yd <sup>3</sup>	n/a	backfill

site 2c	1 vertical 13' diameter x 9' deep	36 yd <sup>3</sup>	n/a	seal w/ cement
site 2d	1 vertical 11' diameter x 8' deep	24 yd <sup>3</sup>	n/a	seal
site 2e	1 vertical 12' diameter x 10' deep	28 yd <sup>3</sup>	n/a	seal
site 2f	1 vertical 11' diameter x 11' deep	22 yd <sup>3</sup>	n/a	seal
site 2g	1 vertical 7' diameter x 3' deep	14 yd <sup>3</sup>	n/a	seal
site 3	1 openpit 270'x60'x15' deep	25,210 yd <sup>3</sup>	0.8 mile	backfill
NA-0104				
site 11a	1 openpit 57'x15'x3' deep	324 yd <sup>3</sup>	0.1 mile	backfill
site 11b	1 rimstrip 15'x50'x4' deep	170 yd <sup>3</sup>	0.1 mile	backfill
site 11c	1 openpit 185'x100'x4' deep	6,280 yd <sup>3</sup>	n/a	backfill
site 11d	1 openpit 50'x41'x10' deep	1,560 yd <sup>3</sup>	n/a	backfill
site 11e	1 rimstrip 120'x50'x1-4' deep	448 yd <sup>3</sup>	0.1 mile	backfill
NA-0106				
site 26a	1 rimstrip 75'x50'x5' deep	2,018 yd <sup>3</sup>	0.8 mile	backfill
site 26b	1 rimstrip 28'x8'x4' deep	92 yd <sup>3</sup>	none	backfill
site 26c	1 rimstrip 15'x20'x6' deep	68 yd <sup>3</sup>	none	backfill
site 26d	1 rimstrip 20'x5'x4' deep	24 yd <sup>3</sup>	none	backfill
site 26e	1 rimstrip 20'x20'x5' deep	78 yd <sup>3</sup>	none	backfill
NA-0107				
site 44	1 rimstrip 170'x25'x15' deep and 13 drill holes	3,485 yd <sup>3</sup>	none	backfill
NA-0108				
site 47a	2 rimstrip 110'x132' dozer scrape w/2 (140'x15'x3' & 25'x50'x3') rimstrip	2,350 yd <sup>3</sup>	none	backfill
site 47b	dozer cut	4,030 yd <sup>3</sup>	none	Bury excess waste



125'x275' scrape w/ shallow excavations

NA-0109

site 85	1 rimstrip	8,110 yd <sup>3</sup>	none	backfill
	130'x60' rimstrip w/ 126 ft highwall			

NA-0110

site 90	1 openpit	15,271 yd <sup>3</sup>	none	backfill
	300'x95'x19' pit and 700 ft highwall			

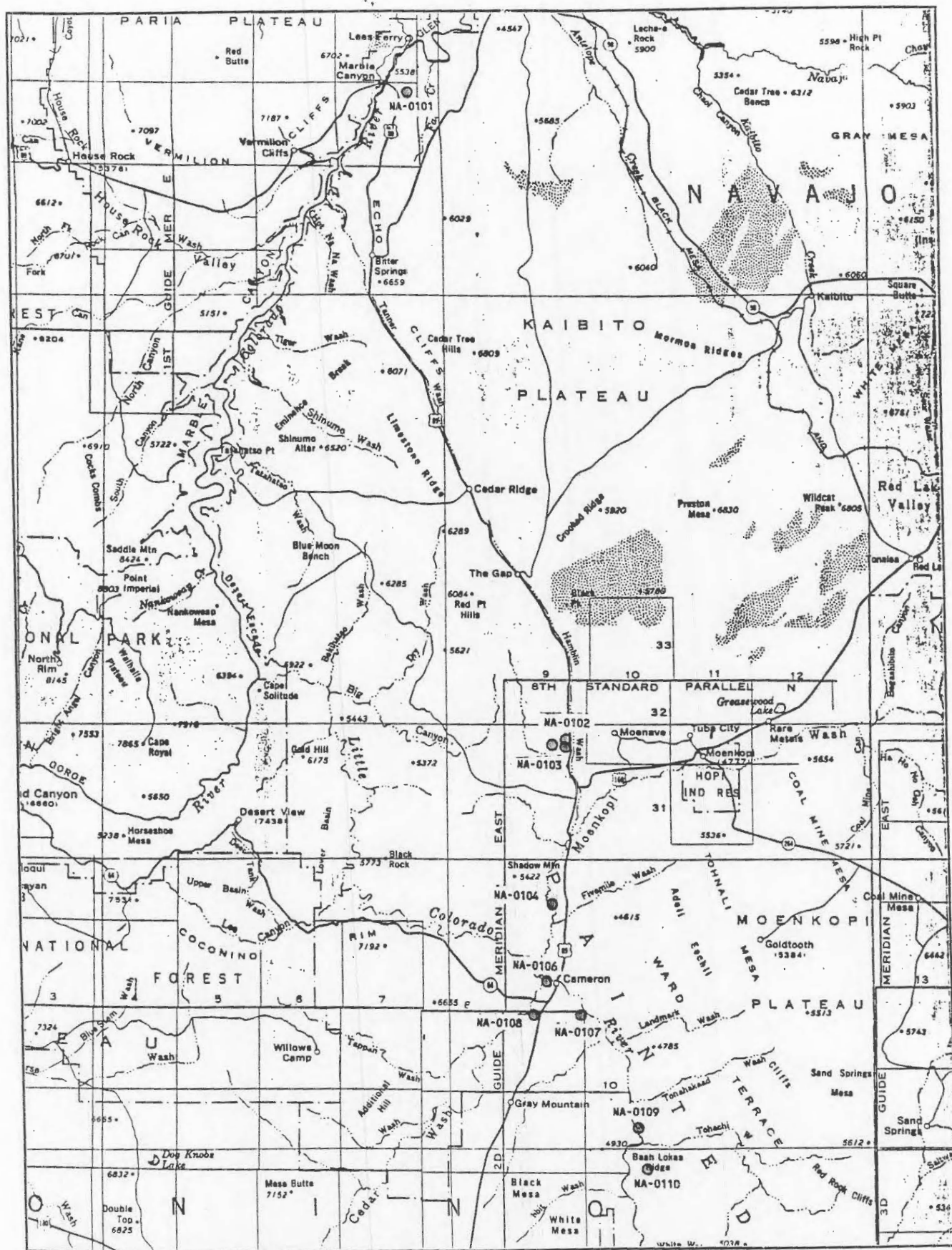
General Description of the Project:

This Cameron AML Project will include the reclamation of 33 abandoned uranium mines spread over 9 project areas. The mines are located in the Cameron, Coalmine Mesa and Bodaway /Gap chapters (see the attached maps for their location). The mines are located in the following project areas: NA-0101, NA-0102, NA-0103, NA-0104, NA-0106, NA-0107, NA-0108, NA-0109, and NA-0110. The physical hazards associated with the project sites, include openpits, portals, vertical openings, rimstrips, dangerous highwalls, and mine waste and stockpiled ore that exhibit anomalous levels of radioactivity, pose a threat to the public health, safety and general welfare.

Cameron project 5 work involves the reclamation of 2 portals, 8 vertical openings, 14 rimstrips and 10 open pits and the abatement of its associated physical and environmental hazards, which includes 3,172 linear feet of highwalls and 57,241 cubic yards of dangerous piles and embankments. The 2 portals will be closed by backfilling and bulkheading; the vertical openings, open pits, and rimstrips will be closed by backfilling; the highwalls will reduced or eliminated by backfilling; and, the dangerous piles and embankments will be used as backfill. In addition, the following work is also included: access roads upgraded for equipment and personnel mobilization; also, improvement of drainages and erosion control. Revegetation will not be done, due to the high alkaline and sodic nature of the natural ground. The class A material will be obtained form within the site boundary.

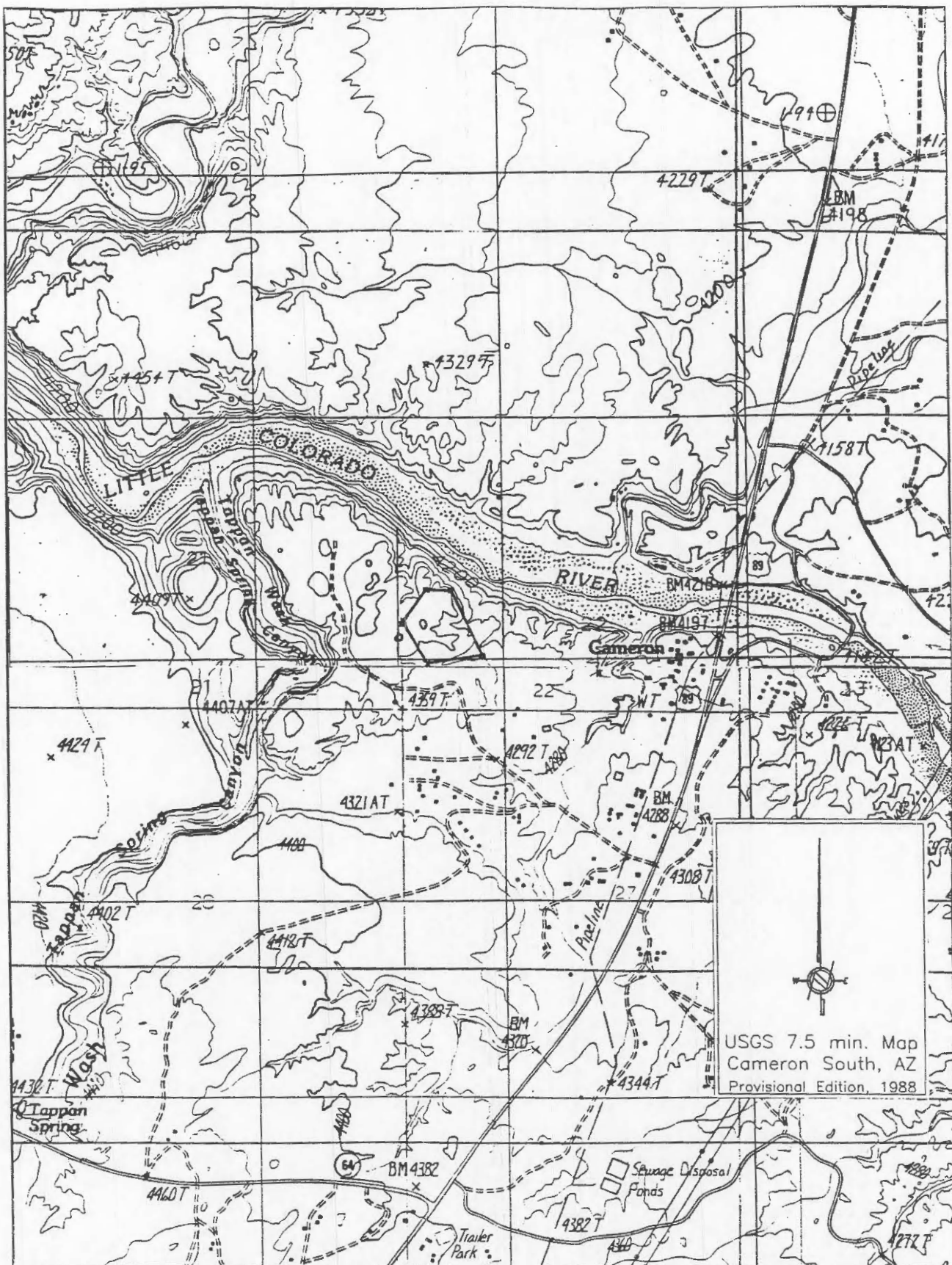
If there are any questions please call Ernest Greyeyes at the Tuba City AML Program Office at (520) 283-3188.

xc: CP 5 files

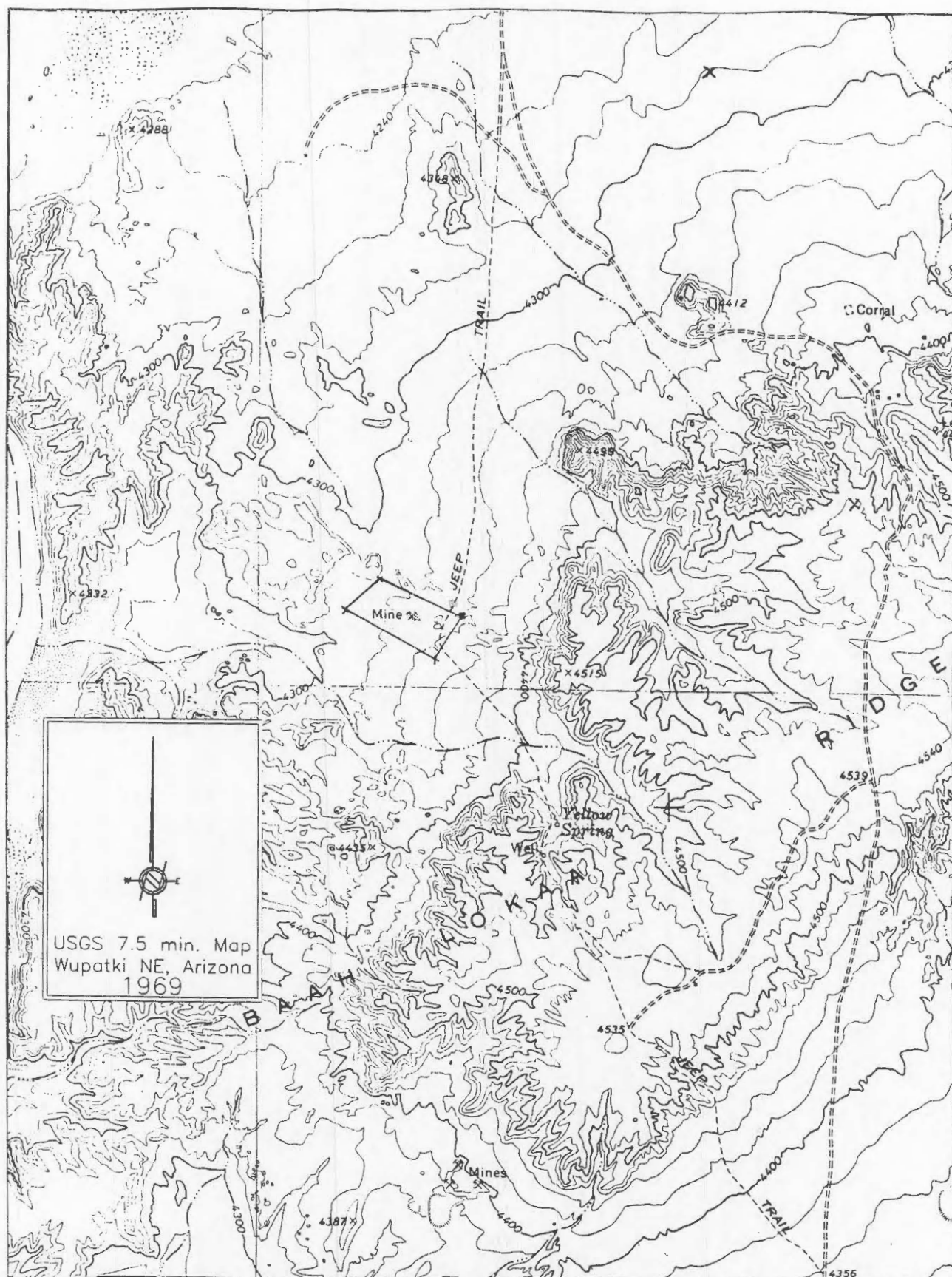


MAP NO. 1: Location of Cameron AML Reclamation Project 5.

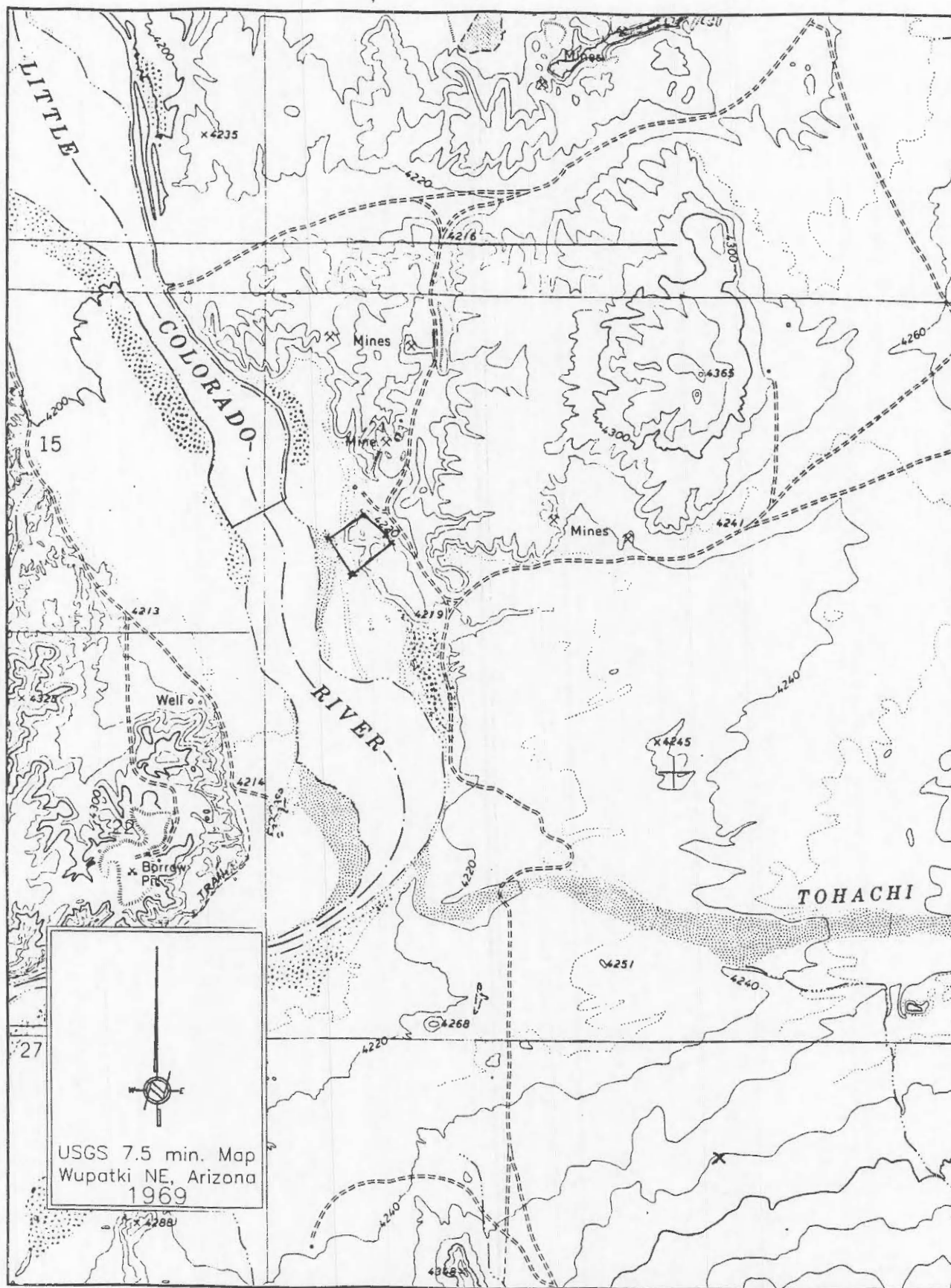




MAP NO. 6: Specific Location of NA-0106 A&B No. 3. Site is located in 1/4SW, Sect. 22, T29N, R9E, G&SRM

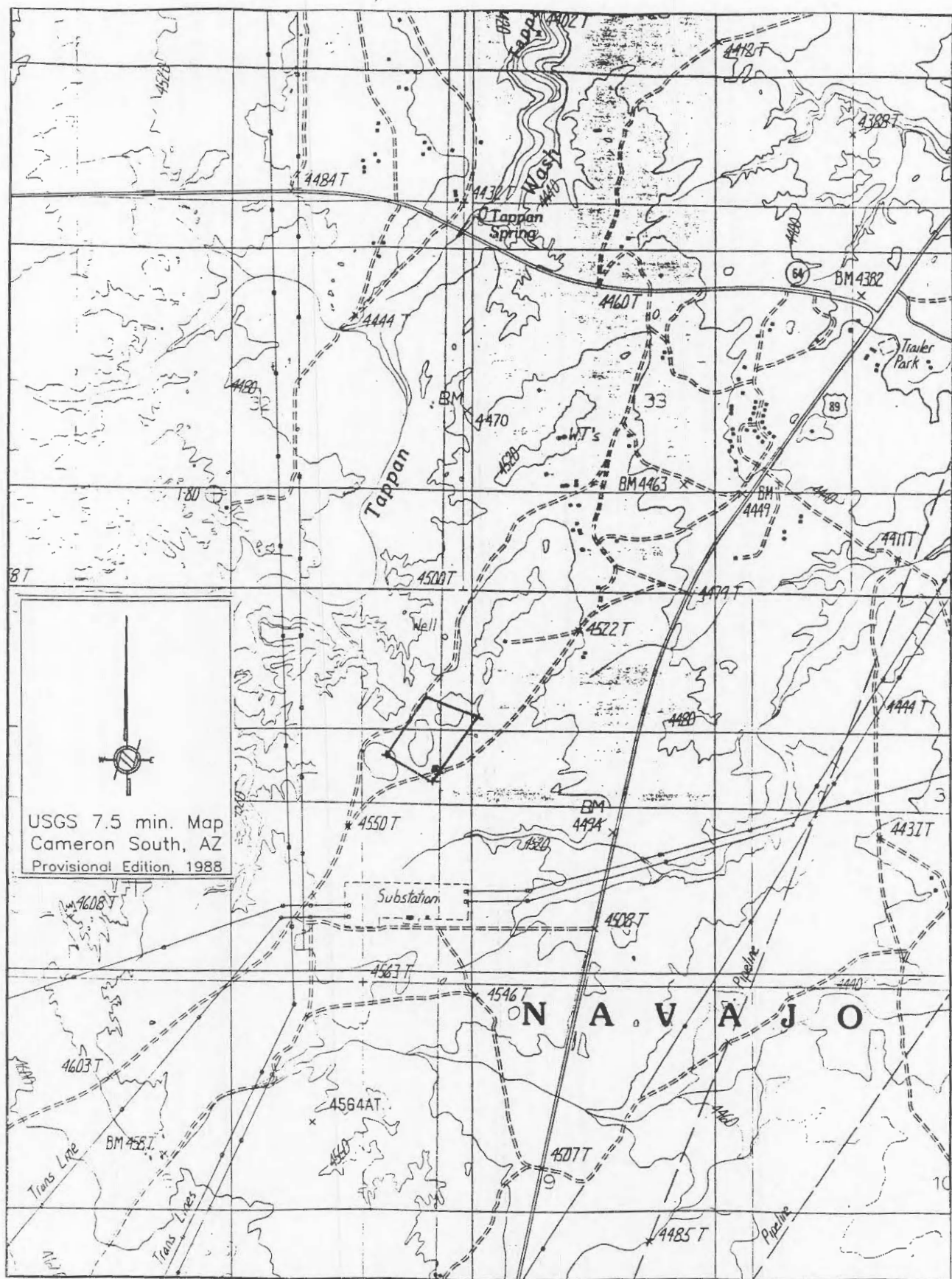


MAP NO. 10: Specific location of NA-0110 Max Johnson No. 7. Site is located in 1/4SW, Sect. 35, T27N, R10E (projected), G&SRM.



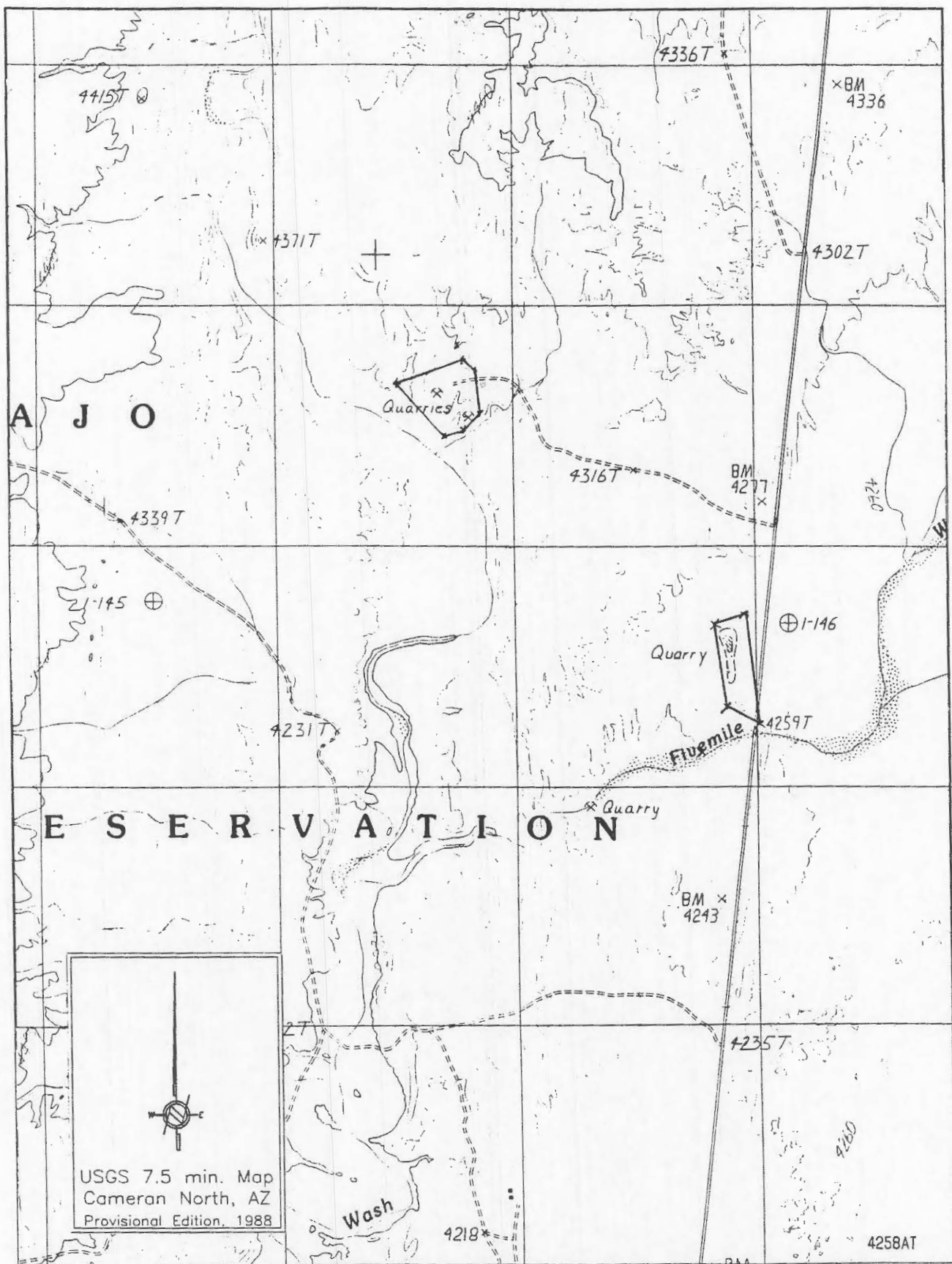
MAP NO. 9: Specific location of NA-0109 Jackpot No. 40. Site is located in 1/4SE, Sect. 15, T27N, R10E (projected), G&SRM.





MAP NO. 8: Specific location of NA-0108 A&B No. 2. Site is located in 1/4NW, Sect. 4, T28N, R9E (projected), G&SRM.

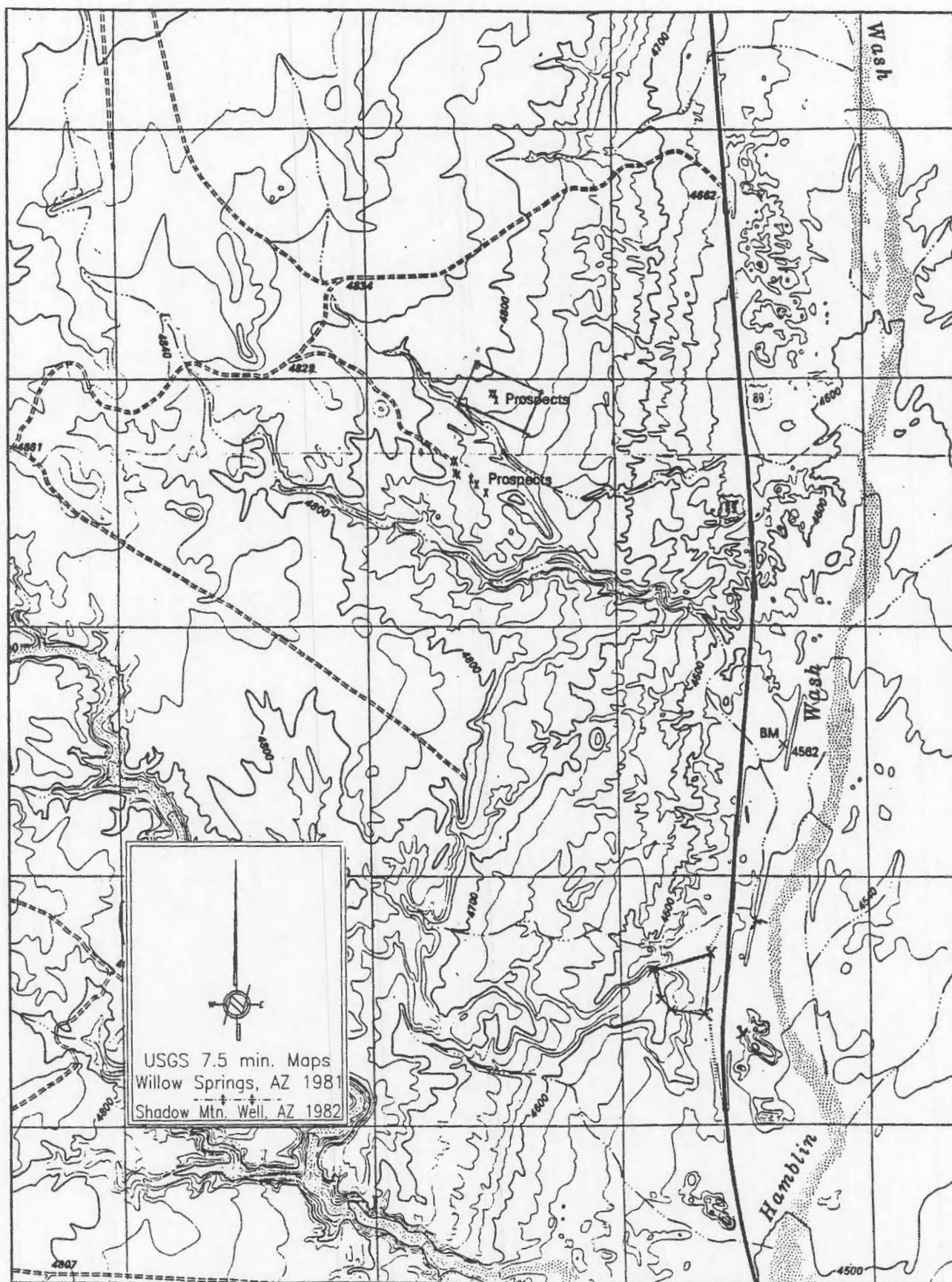




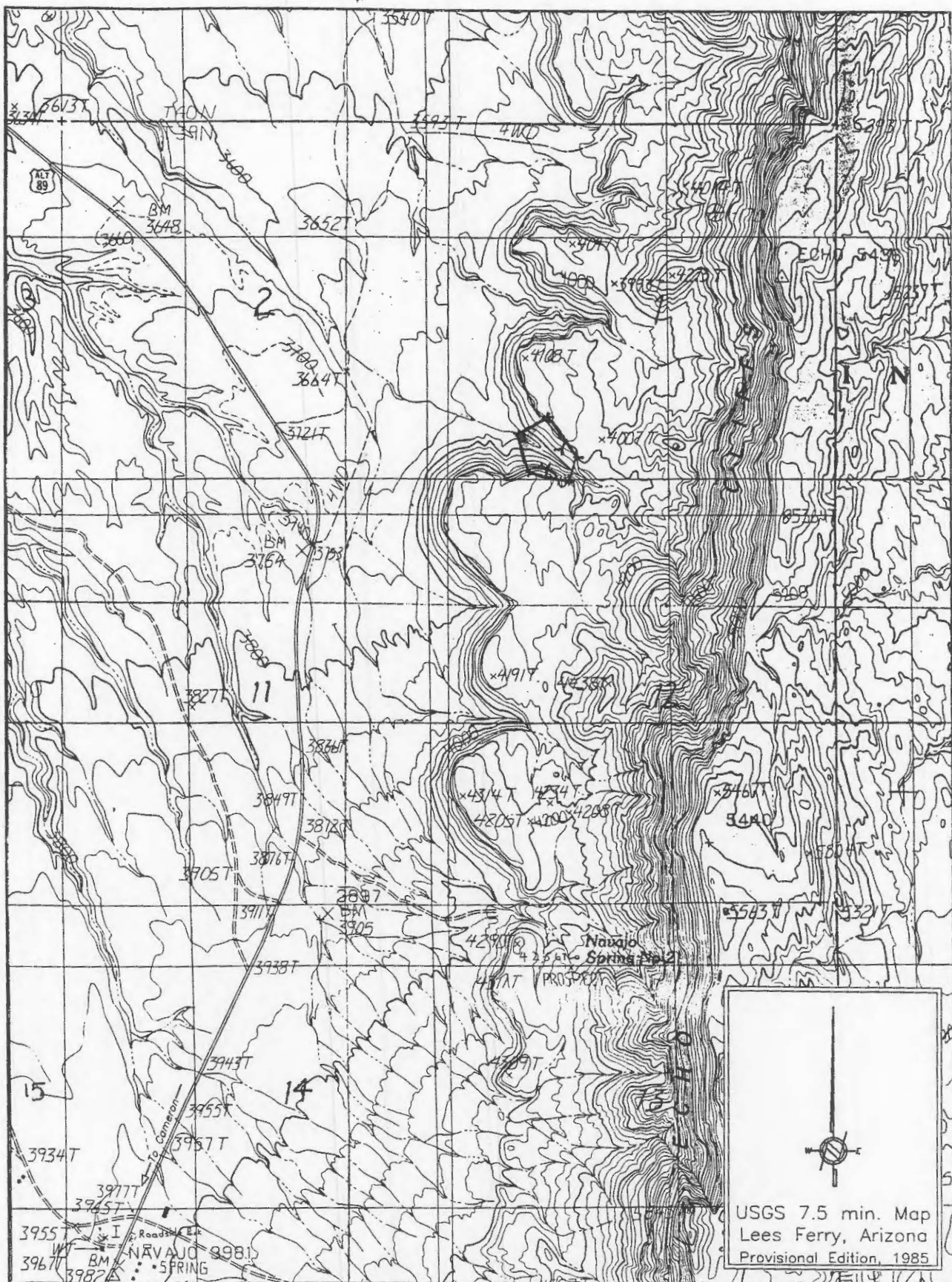
MAP NO. 5: Specific location of NA-0104 Charles Huskon No. 6. Site is located in 1/4NE, Sect. 22, T30N, R9E (projected), G&SRM.







MAP NO. 3: Specific location of NA-0102 Max Huskon. Site is located in 1/4 NW, Sect. 26, T32N, R9E (projected), G&SRM.



MAP NO. 2: Specific USGS Location of NA-0101 Jimmy Boone a&b.  
 Site is located in 1/4SW, Sect. 1, T39N, R7E, G&SRM.